

Rahmat Khezri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8269566/publications.pdf>

Version: 2024-02-01

64
papers

1,264
citations

361045

20
h-index

414034

32
g-index

64
all docs

64
docs citations

64
times ranked

682
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal planning of solar photovoltaic and battery storage systems for grid-connected residential sector: Review, challenges and new perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 153, 111763.	8.2	111
2	Optimal Capacity of Solar PV and Battery Storage for Australian Grid-Connected Households. <i>IEEE Transactions on Industry Applications</i> , 2020, 56, 5319-5329.	3.3	102
3	Review on the state-of-the-art multi-objective optimisation of hybrid standalone/grid-connected energy systems. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 4285-4300.	1.4	69
4	Coordination of Heat Pumps, Electric Vehicles and AGC for Efficient LFC in a Smart Hybrid Power System via SCA-Based Optimized FOPID Controllers. <i>Energies</i> , 2018, 11, 420.	1.6	56
5	An intelligent coordinator design for GCSC and AGC in a two-area hybrid power system. <i>Applied Soft Computing Journal</i> , 2019, 76, 491-504.	4.1	51
6	Automatic Generation Control Incorporating Electric Vehicles. <i>Electric Power Components and Systems</i> , 2019, 47, 720-732.	1.0	47
7	Cost-effective sizing of an AC mini-grid hybrid power system for a remote area in South Australia. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 277-287.	1.4	45
8	Risk-constrained stochastic optimal allocation of energy storage system in virtual power plants. <i>Journal of Energy Storage</i> , 2020, 31, 101732.	3.9	44
9	Optimal sizing of an AC-coupled hybrid power system considering incentive-based demand response. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 3354-3361.	1.4	43
10	A Demand Side Management Approach For Optimal Sizing of Standalone Renewable-Battery Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 2184-2194.	5.9	41
11	Fuzzy Logic Based Fine-tuning Approach for Robust Load Frequency Control in a Multi-area Power System. <i>Electric Power Components and Systems</i> , 2016, 44, 2073-2083.	1.0	39
12	Voltage performance enhancement of DFIG-based wind farms integrated in large-scale power systems: Coordinated AVR and PSS. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 73, 400-410.	3.3	34
13	Robust Model Predictive Control of Gate-Controlled Series Capacitor for LFC of Power Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4766-4776.	7.2	34
14	A two-stage robust-intelligent controller design for efficient LFC based on Kharitonov theorem and fuzzy logic. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 1445-1454.	3.3	28
15	A robust data clustering method for probabilistic load flow in wind integrated radial distribution networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 115, 105392.	3.3	28
16	Optimal Sizing of Rooftop PV and Battery Storage for Grid-Connected Houses Considering Flat and Time-of-Use Electricity Rates. <i>Energies</i> , 2021, 14, 3520.	1.6	28
17	Model Predictive-Based Secondary Frequency Control Considering Heat Pump Water Heaters. <i>Energies</i> , 2019, 12, 411.	1.6	23
18	Multi-layer fuzzy-based under-frequency load shedding in back-pressure smart industrial microgrids. <i>Energy</i> , 2017, 132, 96-105.	4.5	22

#	ARTICLE	IF	CITATIONS
19	On the Contribution of Wind Farms in Automatic Generation Control: Review and New Control Approach. Applied Sciences (Switzerland), 2018, 8, 1848.	1.3	22
20	Direct Probabilistic Load Flow in Radial Distribution Systems Including Wind Farms: An Approach Based on Data Clustering. Energies, 2018, 11, 310.	1.6	22
21	Comparative study of metaheuristic algorithms for optimal sizing of standalone microgrids in a remote area community. Neural Computing and Applications, 2022, 34, 5181-5199.	3.2	22
22	Optimal Capacity of PV and BES for Grid-connected Households in South Australia. , 2019, , .		19
23	Optimal planning of solar photovoltaic and battery storage for electric vehicle owner households with time-of-use tariff. IET Generation, Transmission and Distribution, 2022, 16, 535-547.	1.4	19
24	Intelligent coordinators for automatic voltage regulator and power system stabiliser in a multi-machine power system. IET Generation, Transmission and Distribution, 2020, 14, 5480-5490.	1.4	19
25	An intelligent adaptive control of DC-DC power buck converters. International Journal of Electrical Power and Energy Systems, 2022, 141, 108099.	3.3	19
26	Data clustering-based approach for optimal capacitor allocation in distribution systems including wind farms. IET Generation, Transmission and Distribution, 2019, 13, 3397-3408.	1.4	18
27	Impact of Optimal Sizing of Wind Turbine and Battery Energy Storage for a Grid-Connected Household With/Without an Electric Vehicle. IEEE Transactions on Industrial Informatics, 2022, 18, 5838-5848.	7.2	17
28	AC-coupled hybrid power system optimisation for an Australian remote community. International Transactions on Electrical Energy Systems, 2020, 30, e12503.	1.2	15
29	Optimal sizing and comparative analysis of rooftop PV and battery for grid-connected households with all-electric and gas-electricity utility. Energy, 2022, 251, 123876.	4.5	15
30	SWT and BES Optimisation for Grid-connected Households in South Australia. , 2019, , .		14
31	Resiliency-Oriented Optimal Planning for a Grid-Connected System With Renewable Resources and Battery Energy Storage. IEEE Transactions on Industry Applications, 2022, 58, 2471-2482.	3.3	14
32	Intelligent secondary control in smart microgrids: an on-line approach for islanded operations. Optimization and Engineering, 2018, 19, 917-936.	1.3	13
33	Optimal sizing of energy storage system. , 2019, , 263-289.		12
34	Application of IPSO and fuzzy logic methods in electrical vehicles for efficient frequency control of multi-area power systems. , 2017, , .		11
35	Optimal WT, PV and BES based Energy Systems for Standalone Households in South Australia. , 2019, , .		11
36	Interactive Multi-level planning for energy management in clustered microgrids considering flexible demands. International Journal of Electrical Power and Energy Systems, 2022, 138, 107978.	3.3	11

#	ARTICLE	IF	CITATIONS
37	Toward intelligent transient stability enhancement in inverter-based microgrids. <i>Neural Computing and Applications</i> , 2018, 30, 2709-2723.	3.2	10
38	A clustering-based technoeconomic analysis for wind farm and shunt capacitor allocation in radial distribution systems. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, .	1.2	10
39	Multiobjective Optimization of System Configuration and Component Capacity in an AC Minigrd Hybrid Power System. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 4158-4170.	3.3	10
40	Energy Management Systems for Grid-Connected Houses with Solar PV and Battery by Considering Flat and Time-of-Use Electricity Rates. <i>Energies</i> , 2021, 14, 5028.	1.6	9
41	Two-Stage Optimal Sizing of Standalone Hybrid Electricity Systems with Time-of-Use Incentive Demand Response. , 2020, , .		8
42	Optimal Planning of Remote Microgrids with Multi-Size Split-Diesel Generators. <i>Sustainability</i> , 2022, 14, 2892.	1.6	8
43	Optimal planning of solar PV and battery storage with energy management systems for Time-of-Use and flat electricity tariffs. <i>IET Renewable Power Generation</i> , 2022, 16, 1206-1219.	1.7	8
44	Multiobjective Long-Period Optimal Planning Model for a Grid-Connected Renewable-Battery System. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 5055-5067.	3.3	8
45	Multi-Objective Optimization of Solar PV and Battery Storage System for A Grid-Connected Household. , 2020, , .		6
46	Application of IPSO algorithm in DFIG-based wind turbines for efficient frequency control of multi-area power systems. , 2017, , .		5
47	Three-Stage Fuzzy Coordinator for Dynamic Stability Enhancement of Multi-Machine Power System Considering Various Penetration Levels of Wind Turbines. <i>Electric Power Components and Systems</i> , 2018, 46, 1185-1197.	1.0	5
48	Optimal Planning of Remote Area Electricity Supply Systems: Comprehensive Review, Recent Developments and Future Scopes. <i>Energies</i> , 2021, 14, 5900.	1.6	5
49	Optimal Planning of Renewable Energy Resources and Battery Storage System for an Educational Campus in South Australia. , 2020, , .		5
50	Fuzzy-based coordinated control design for AVR and PSS in multi-machine power systems. , 2013, , .		4
51	Performance Investigation of Stand-Alone Hybrid Wind-Solar Home-Microgrids with Battery Storage System. <i>Smart Science</i> , 2019, 7, 239-251.	1.9	4
52	Intelligent over-current protection scheme in inverter-based microgrids. , 2015, , .		3
53	Impacts of wind and conventional power coordination on the short-term frequency performance. , 2015, , .		3
54	Efficient Voltage Control in Proton Exchange Membrane Fuel Cell: An Approach based on Intelligent Algorithms. <i>IETE Journal of Research</i> , 2017, 63, 216-224.	1.8	3

#	ARTICLE	IF	CITATIONS
55	Energy Management and Optimal Planning of a Residential Microgrid with Time-of-Use Electricity Tariffs. , 2021, , .		3
56	Microgrids planning for residential electrification in rural areas. , 2022, , 1-25.		3
57	An Intelligent Fuzzy Control Approach for a Back-Pressure Autonomous Industrial Microgrid. , 2020, , .		2
58	Battery Lifetime Modelling in Planning Studies of Microgrids: A Review. , 2021, , .		2
59	Stability Enhancement in Multi-Machine Power Systems by Fuzzy-based Coordinated AVR-PSS. International Journal of Energy Optimization and Engineering, 2015, 4, 36-50.	0.4	1
60	AVR and PSS coordinated based fuzzy approach for transient stability enhancement. , 2015, , .		1
61	Stability Enhancement in Multi-Machine Power Systems by Fuzzy-Based Coordinated AVR-PSS. , 2017, , 235-249.		0
62	A Comparative Study of Optimal Battery Storage and Fuel Cell for a Clean Power System in Remote Area. , 2020, , .		0
63	Optimal Sizing of Grid-tied Residential Microgrids Under Real-Time Pricing. , 2021, , .		0
64	Modeling the risk-based decisions of the microgrid in day-ahead energy and reserve markets considering stochastic dispatching of electrical and thermal energy storages. Energy Conversion and Management: X, 2022, 14, 100201.	0.9	0